

Title (en)
Manually pivoted barrier assembly for a piercing element

Title (de)
Schwenkbare Nadelschutzvorrichtung

Title (fr)
Capuchon d'aiguille pivotable

Publication
EP 0702973 B1 19991117 (EN)

Application
EP 95306674 A 19950921

Priority
• US 31053894 A 19940923
• US 37584195 A 19950120

Abstract (en)
[origin: US5662617A] A protective barrier assembly for shielding a piercing element such as a pointed needle cannula or blunt ended cannula during or after use of a medical implement. The piercing element includes a longitudinal axis, a length, a distal end which may be pointed or blunt, a proximal end and a passageway therethrough. The assembly may include a hub configured for mounting to a medical implement such as a syringe or evacuated tube holder and having an axial opening through it for receiving the needle so that the distal end of the needle projects outwardly. The assembly also includes a shield with an open end, a closed end, and a sidewall portion with a longitudinal slot extending from the open end toward the closed end. The shield has a first position exposing the needle and a second position wherein the shield obstructs unintentional access to the needle. The shield may be mounted to the hub by a hinge opposite the slot, so that when the slot is moved from the first position to the second position, the slot provides clearance for the needle. A retaining and/or locking mechanism may be incorporated as part of the shield or made integral with the hinge so as to retain/lock the shield in the second position.

IPC 1-7
A61M 5/32

IPC 8 full level
A61M 5/32 (2006.01)

CPC (source: EP US)
A61M 5/3216 (2013.01 - EP US); **A61M 2005/3217** (2013.01 - EP US); **Y10S 128/919** (2013.01 - EP US)

Citation (examination)
• EP 0532612 B1 19961120 - SYNTUITION INC [US]
• WO 9316745 A1 19930902 - ZANEN EDUARD WILLEM [NL]

Cited by
WO2020254624A1; EP0887082A3; EP0812597A3; EP1360970A1; EP1380315A1; AT413947B; US9474865B2; US8556861B2; US8876764B2; US8226604B2; US8622960B2; US6936031B2; WO2004066840A1; US9089655B2; US9327086B2

Designated contracting state (EPC)
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US 5662617 A 19970902; AU 3287195 A 19960404; AU 704056 B2 19990415; BR 9504115 A 19960730; CA 2157999 A1 19960324; CA 2157999 C 19990803; DE 69513357 D1 19991223; DE 69513357 T2 20000608; DE 69529179 D1 20030123; DE 69529179 T2 20030821; EP 0702973 A2 19960327; EP 0702973 A3 19961204; EP 0702973 B1 19991117; EP 0885621 A2 19981223; EP 0885621 A3 19990512; EP 0885621 B1 20021211; ES 2190039 T3 20030716; JP 3745422 B2 20060215; JP H08107933 A 19960430

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US 59732996 A 19960206; AU 3287195 A 19950925; BR 9504115 A 19950921; CA 2157999 A 19950911; DE 69513357 T 19950921; DE 69529179 T 19950921; EP 95306674 A 19950921; EP 98203329 A 19950921; ES 98203329 T 19950921; JP 27057195 A 19950925